ELSEVIER

Journal of Volcanology and Geothermal Research 80 (1998) 335–336

Journal of volcanology and geothermal research

Contents Volume 80, 1998

Research Papers

PUFF: A high-resolution volcanic ash tracking model
C. Searcy, K. Dean and W. Stringer 1

Ice record of a large eruption of Deception Island Volcano (Antarctica) in the XVIITH century
A.J. Aristarain and R.J. Delmas 17

Variation in fumarolic H_2 gas and volcanic activity at Nasudake in Japan
Y. Kiyosu and Y. Okamoto 27

Petrochemistry and tectonic significance of the emerged late Cenozoic basalts behind the Okinawa Troughs Ryukyu arc system
R. Shinjo 39

Evidence of active crustal deformation of the Colli Albani volcanic area (central Italy) by GPS surveys
M. Anzidei, P. Baldi, G. Casula, A. Galvani, F. Riguzzi and A. Zanutta 55

New time constraints on dyke swarms related to the Paraná–Etendeka magmatic province, and subsequent South Atlantic opening, southeastern Brazil
K. Deckart, G. Féraud, L.S. Marques and H. Bertrand 67

Isotope (Sr, Nd, Pb, O) and trace-element geochemistry of volcanics from the Erta'Ale range (Ethiopia)
J.A. Barrat, S. Fourcade, B.M. Jahn, J.L. Cheminée and R. Capdevila 85

Implications of longeval lava lakes for geomorphological and plutonic processes at Erta 'Ale volcano, Afar
C. Oppenheimer and P. Francis 101

Geology of proximal, small-volume trachyte–trachyandesite pyroclastic flows and associated surge deposits, Roccamonfina volcano, Italy
B. Giannetti 113

Errata

Erratum to "Eruption style and petrology of a new carbonatitic suite from the Mt. Vulture (Southern Italy): The Monticchio Lakes Formation" [Journal of Volcanology and Geothermal Research 78 (1997) 251–265]
F. Stoppa and C. Principe 137

Erratum to "Forestepping–backstepping stacking pattern of volcaniclastic successions: Roccamonfina volcano, Italy" [Journal of Volcanology and Geothermal Research 78 (1997) 267–288]
D. De Rita, G. Giordano and S. Milli 155

Research Papers

Sr–Nd isotopic and chemical characteristics of the silicic magma reservoir of the Aira pyroclastic eruption, southern Kyushu, Japan
Y. Arakawa, M. Kurosawa, K. Takahashi, Y. Kobayashi, M. Tsukui and H. Amakawa 179

Intracaldera structure and megabreccias at Dorobu caldera, northeastern Honshu, Japan
D. Miura and M. Tamai 195

Lithic types in ignimbrites as a guide to the evolution of a caldera complex, Taupo volcanic centre, New Zealand
J.W. Cole, S.J.A. Brown, R.M. Burt, S.W. Beresford and C.J.N. Wilson 217

Holocene plinian eruption of La Virgen volcano, Baja California, Mexico
L. Capra, J.L. Macías, J.M. Espíndola and C. Siebe 239

New age constraints on the timing of volcanism and tectonism in the northern Main Ethiopian Rift–southern Afar transition zone (Ethiopia)
T. Chernet, W.K. Hart, J.L. Aronson and R.C. Walter 267

Formation of multiple fold generations on lava flow surfaces: Influence of strain rate, cooling rate, and lava composition
T.K.P. Gregg, J.H. Fink and R.W. Griffiths 281

Thermal conductivity of a volcanic rock material (olivine-melilitite) in the temperature range between 288 and 1470 K
R. Büttner, B. Zimanowski, J. Blumm and L. Hagemann 293
Chemical geothermometry and fluid–mineral equilibria for the Ömer–Gecek thermal waters, Afyon area, Turkey
H. Mutlu 303
On the first experimental phreatomagmatic explosion of a kimberlite melt
S. Kurszlaukis, R. Büttner, B. Zimanowski and V. Lorenz 323

Author Index Volumes 75–80 327

Subject Index Volumes 75–80 331